

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1918	butyl adj titanate	US-PGPUB; USPAT	OR	ON	2008/06/04 12:31
S2	19	(butyl adj titanate) with precursor	US-PGPUB; USPAT	OR	ON	2008/06/04 12:31
S3	1	(butyl adj titanate) same ethanol same water same diethanolamine	US-PGPUB; USPAT	OR	ON	2008/06/04 12:32
S4	1393	(sol solgel (sol adj gel)) same titanate and (titania (titanium adj (oxide dioxide)))	US-PGPUB; USPAT	OR	ON	2008/06/04 14:00
S5	113	(sol solgel (sol adj gel)) same titanate and (titania (titanium adj (oxide dioxide))) same ethanol	US-PGPUB; USPAT	OR	ON	2008/06/04 14:00
S6	46	(sol solgel (sol adj gel)) same titanate same ethanol and (titania (titanium adj (oxide dioxide)))	US-PGPUB; USPAT	OR	ON	2008/06/04 14:00
S7	46	((sol solgel (sol adj gel)) same titanate same ethanol) and (titania (titanium adj (oxide dioxide)))	US-PGPUB; USPAT	OR	ON	2008/06/04 14:00
S8	1553	((solgel (sol adj gel)) same titanate)	US-PGPUB; USPAT	OR	ON	2008/06/04 14:05
S9	27	((solgel (sol adj gel)) same titanate same ethanol)	US-PGPUB; USPAT	OR	ON	2008/06/04 14:05
S10	11	((solgel (sol adj gel)) same titanate same butyl)	US-PGPUB; USPAT	OR	ON	2008/06/04 14:05
S11	3	((solgel (sol adj gel)) same ethanol same water same diethanolamine)	US-PGPUB; USPAT	OR	ON	2008/06/04 14:16
S12	34	((solgel (sol adj gel)) same titanate) same (titanium adj dioxide)	US-PGPUB; USPAT	OR	ON	2008/06/04 14:59

S13	1	("6340711").PN.	US-PGPUB; USPAT	OR	OFF	2008/06/04 15:47
S14	9	("2463791"   "3304200"    "4152679"   "5401573").PN. OR ("5879811").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/04 15:57
S15	773	((solgel (sol adj gel)) same ethanol same water)	US-PGPUB; USPAT	OR	ON	2008/06/04 15:57
S16	21	((solgel (sol adj gel)) same ethanol same water) and (polyglycol octadecylamine)	US-PGPUB; USPAT	OR	ON	2008/06/04 15:57
S17	1	("5558849").PN.	US-PGPUB; USPAT	OR	OFF	2008/06/04 16:25
S18	4	((solgel (sol adj gel)) same octadecylamine)	US-PGPUB; USPAT	OR	ON	2008/06/04 16:27
S19	3	((solgel (sol adj gel)) and (polyglycol octadecylamine) same pore	US-PGPUB; USPAT	OR	ON	2008/06/04 16:27
S20	77	(gel) and (polyglycol octadecylamine) same pore	US-PGPUB; USPAT	OR	ON	2008/06/04 16:28
S21	3	(gel) same (polyglycol octadecylamine) same pore	US-PGPUB; USPAT	OR	ON	2008/06/04 16:28
S22	150	(polyglycol octadecylamine) same pore	US-PGPUB; USPAT	OR	ON	2008/06/05 11:07
S23	204	coat\$3 same (fabric paper) with (titania (titanium adj \$2oxide) "tio.sub.2") and (titania (titanium adj \$2oxide) "tio.sub.2") same (gel solgel (sol adj gel))	US-PGPUB; USPAT	OR	ON	2008/06/05 11:25
S24	146	coat\$3 with (fabric paper) with (titania (titanium adj \$2oxide) "tio.sub.2") and (titania (titanium adj \$2oxide) "tio.sub.2") same (gel solgel (sol adj gel))	US-PGPUB; USPAT	OR	ON	2008/06/05 11:26

S25	38	coat\$3 with (fabric paper) with (titania (titanium adj \$2oxide) "tio.sub.2") same (gel solgel (sol adj gel))	US-PGPUB; USPAT	OR	ON	2008/06/05 11:26
S26	42	coat\$3 with (fabric) with (titania (titanium adj \$2oxide) "tio. sub.2") and (titania (titanium adj \$2oxide) "tio.sub.2") same (gel solgel (sol adj gel))	US-PGPUB; USPAT	OR	ON	2008/06/05 11:31
S27	41	coat\$3 with (flexible) with (titania (titanium adj \$2oxide) "tio. sub.2") and (titania (titanium adj \$2oxide) "tio.sub.2") same (gel solgel (sol adj gel))	US-PGPUB; USPAT	OR	ON	2008/06/05 13:00
S28	41	coat\$3 with substrate with (titania (titanium adj \$2oxide) "tio. sub.2") and (titania (titanium adj \$2oxide) "tio.sub.2") same (gel solgel (sol adj gel)) and substrate with fabric	US-PGPUB; USPAT	OR	ON	2008/06/05 13:01
S29	1	(thermal adj crystallization) with hydrothermal	US-PGPUB; USPAT	OR	ON	2008/06/05 13:24
S30	1832	(crystallization) with hydrothermal	US-PGPUB; USPAT	OR	ON	2008/06/05 13:24
S31	1	(crystallization) with hydrothermal adj kettle	US-PGPUB; USPAT	OR	ON	2008/06/05 13:24
S32	1	(crystallization) with hydrothermal and S28	US-PGPUB; USPAT	OR	ON	2008/06/05 13:25
S33	1	(crystallization) with hydrothermal and S24	US-PGPUB; USPAT	OR	ON	2008/06/05 13:25
S34	1	(crystallization) with hydrothermal and S23	US-PGPUB; USPAT	OR	ON	2008/06/05 13:25
S35	1344	(crystallization) with hydrothermal and (titania (titanium adj \$2oxide) "tio.sub.2")	US-PGPUB; USPAT	OR	ON	2008/06/05 13:25
S36	194	(crystallization) with hydrothermal same (titania (titanium adj \$2oxide) "tio.sub.2")	US-PGPUB; USPAT	OR	ON	2008/06/05 13:25

S37	194	(crystallization) with hydrothermal same (titania or ("titanium adj \$2oxide") or "tio.sub.2")	US-PGPUB; USPAT	OR	ON	2008/06/05 13:26
S38	194	(crystallization) with hydrothermal same (titania or ("titanium oxide") or ("titanium dioxide") or "tio.sub.2")	US-PGPUB; USPAT	OR	ON	2008/06/05 13:27
S39	47	(crystallization) with hydrothermal same (titania! or ("titanium oxide") or ("titanium dioxide") or "tio.sub.2")	US-PGPUB; USPAT	OR	ON	2008/06/05 13:53
S40	14	("4561872"   "4680049"    "4684385"      "4925603"   "5023208"    "5076980"      "5156895"   "5236483"    "5275796"      "5473826"   "5553658"    "5558849"      "5686031"   "6099792"). PN. OR ("6514454"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/05 14:00
S41	9	("2463791"   "3304200"    "4152679"      "5401573").PN. OR ("5879811").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/06/05 14:01
S42	1850	photocatalyst with (titania! or ("titanium oxide") or ("titanium dioxide") or "tio.sub.2")	US-PGPUB; USPAT	OR	ON	2008/06/05 14:02
S43	311	photocatalyst with (titania! or ("titanium oxide") or ("titanium dioxide") or "tio.sub.2") same (solgel sol (sol adj gel))	US-PGPUB; USPAT	OR	ON	2008/06/05 14:03
S44	253	photocatalyst with (titania! or ("titanium oxide") or ("titanium dioxide") or "tio.sub.2") same (solgel sol (sol adj gel)) and crystal\$8	US-PGPUB; USPAT	OR	ON	2008/06/05 14:03

S45	11	photocatalyst with (titania! or ("titanium oxide") or ("titanium dioxide") or "tio.sub.2") same (solgel sol (sol adj gel)) and crystal\$8 with hydrothermal	US-PGPUB; USPAT	OR	ON	2008/06/05 14:03
S46	1	photocatalyst with (titania! or ("titanium oxide") or ("titanium dioxide") or "tio.sub.2") same crystal\$8 with hydrothermal	US-PGPUB; USPAT	OR	ON	2008/06/05 14:04
S47	35	photocatalyst with (titania! or ("titanium oxide") or ("titanium dioxide") or "tio.sub.2") and crystal\$8 with hydrothermal	US-PGPUB; USPAT	OR	ON	2008/06/05 14:05
S48	3	photocatalyst same crystal\$8 with hydrothermal	US-PGPUB; USPAT	OR	ON	2008/06/05 14:32
S49	3	photocataly\$4 same crystal\$8 with hydrothermal	US-PGPUB; USPAT	OR	ON	2008/06/05 14:32
S50	56	photocataly\$4 and crystal\$8 with hydrothermal	US-PGPUB; USPAT	OR	ON	2008/06/05 14:33
S51	2475	coat\$3 with (fabric paper) same (gel solgel (sol adj gel))	US-PGPUB; USPAT	OR	ON	2008/06/05 15:14
S52	5	coat\$3 with (fabric paper) same (gel solgel (sol adj gel)) and crystal \$8 with hydrothermal	US-PGPUB; USPAT	OR	ON	2008/06/05 15:18
S53	55	(sol solgel) with photocataly\$3 with crystal\$9	US-PGPUB; USPAT	OR	ON	2008/06/11 11:07
S54	30	(sol solgel) with photocataly\$3 with crystall\$9	US-PGPUB; USPAT	OR	ON	2008/06/11 11:08
S55	1	(sol solgel) same photocataly\$3 same crystall\$9 with hydrothermal\$2	US-PGPUB; USPAT	OR	ON	2008/06/11 11:40
S56	16	(sol solgel) same photocataly\$3 same hydrothermal\$2	US-PGPUB; USPAT	OR	ON	2008/06/11 11:41

S57	74	(sol gel) same photocataly\$3 and hydrothermal\$2	US-PGPUB; USPAT	OR	ON	2008/06/11 12:18
S58	10	(sol gel) same photocataly\$3 and coated same hydrothermal\$2	US-PGPUB; USPAT	OR	ON	2008/06/11 12:22
S59	52	(paper fabric) with coat \$3 with photocataly\$2	US-PGPUB; USPAT	OR	ON	2008/06/11 12:27
S60	0	(paper fabric) with coat \$3 with photocataly\$2 and hydrothermal\$2	US-PGPUB; USPAT	OR	ON	2008/06/11 12:27
S61	23	(paper fabric) with coat \$3 with photocataly\$2 and crystall\$5	US-PGPUB; USPAT	OR	ON	2008/06/11 12:27
S62	585	(paper fabric) with coat \$3 with (photocataly\$2 titania! (titanium adj (dioxide oxide))) and (crystall\$5 hydrothermal \$2)	US-PGPUB; USPAT	OR	ON	2008/06/11 12:30
S63	16	(paper fabric) with coat \$3 with (photocataly\$2 titania! (titanium adj (dioxide oxide))) same (crystall\$5 hydrothermal \$2)	US-PGPUB; USPAT	OR	ON	2008/06/11 12:30
S64	301	(paper fabric) with coat \$3 with (photocataly\$2 titania! (titanium adj (dioxide oxide))) and (crystalliz\$5 hydrothermal\$2)	US-PGPUB; USPAT	OR	ON	2008/06/11 12:31
S65	3	(paper fabric) with coat \$3 with (photocataly\$2 titania! (titanium adj (dioxide oxide))) same (crystalliz\$5 hydrothermal\$2)	US-PGPUB; USPAT	OR	ON	2008/06/11 12:31
S66	0	(paper fabric) with coat \$3 with (photocataly\$2 titania! (titanium adj (dioxide oxide))) and (crystalliz\$5 with hydrothermal\$2)	US-PGPUB; USPAT	OR	ON	2008/06/11 12:32

S67	43	(paper fabric) with coat \$3 with (photocataly\$2 titania! (titanium adj (dioxide oxide))) and (hydrothermal\$2)	US-PGPUB; USPAT	OR	ON	2008/06/11 12:32
S68	7	(paper fabric) with coat \$3 with photocataly\$2 and crystalliz\$5	US-PGPUB; USPAT	OR	ON	2008/06/11 12:34
S69	61	(substrate) with coat\$3 with photocataly\$2 and crystalliz\$5	US-PGPUB; USPAT	OR	ON	2008/06/11 12:34
S70	2	hydrothermal\$3 with (titania! (titanium adj (dioxide oxide))) same ethanol	US-PGPUB; USPAT	OR	ON	2008/06/11 13:17
S71	67	hydrothermal\$3 with ethanol	US-PGPUB; USPAT	OR	ON	2008/06/11 13:17
S72	42	hydrothermal\$3 with ethanol with water	US-PGPUB; USPAT	OR	ON	2008/06/11 13:17
S73	217	hydrothermal\$3 with (titania! (titanium adj (dioxide oxide)))	US-PGPUB; USPAT	OR	ON	2008/06/11 14:14
S74	22	hydrothermal\$3 with (titania! (titanium adj (dioxide oxide))) with crystalliz\$5	US-PGPUB; USPAT	OR	ON	2008/06/11 14:15
S75	1	hydrothermal\$3 with (titania! (titanium adj (dioxide oxide))) with ethanol	US-PGPUB; USPAT	OR	ON	2008/06/11 14:19
S76	1	hydrothermal\$3 with kettle with ethanol	US-PGPUB; USPAT	OR	ON	2008/06/11 14:19
S77	42	hydrothermal\$3 with ethanol with water	US-PGPUB; USPAT	OR	ON	2008/06/11 14:20
S78	2	(sol solgel (sol adj gel)) same (titania (titanium adj (oxide dioxide))) same (silicate with butyl)	US-PGPUB; USPAT	OR	ON	2008/06/11 14:42
S79	864	(sol solgel (sol adj gel)) same (titania (titanium adj (oxide dioxide))) same (silicate)	US-PGPUB; USPAT	OR	ON	2008/06/11 14:42
S80	357	(sol solgel (sol adj gel)) with (titania (titanium adj (oxide dioxide))) with (silicate)	US-PGPUB; USPAT	OR	ON	2008/06/11 14:42

S81	545	(titania (titanium adj (oxide dioxide))) adj (sol solgel (sol adj gel)) with (silicate silica silicon)	US-PGPUB; USPAT	OR	ON	2008/06/11 14:52
S82	48	(titania (titanium adj (oxide dioxide))) adj (sol solgel (sol adj gel)) with (silicate silica silicon) and (silicate silica silicon) with \$5butyl	US-PGPUB; USPAT	OR	ON	2008/06/11 14:56
S83	2	(titania (titanium adj (oxide dioxide))) adj (sol solgel (sol adj gel)) with (lanthanum) and (lanthanum) with nitrate	US-PGPUB; USPAT	OR	ON	2008/06/11 15:27
S84	2	(titania (titanium adj (oxide dioxide))) adj (sol solgel (sol adj gel)) with (lanthanum)	US-PGPUB; USPAT	OR	ON	2008/06/11 15:28
S85	84	(titania (titanium adj (oxide dioxide))) with (sol solgel (sol adj gel)) with (lanthanum)	US-PGPUB; USPAT	OR	ON	2008/06/11 15:29
S86	26	(titania (titanium adj (oxide dioxide))) with (sol solgel (sol adj gel)) with (lanthanum) and (lanthanum) with nitrate	US-PGPUB; USPAT	OR	ON	2008/06/11 15:29
S87	34	(titania (titanium adj (oxide dioxide))) adj (sol solgel (sol adj gel)) and (lanthanum) with nitrate	US-PGPUB; USPAT	OR	ON	2008/06/11 15:30
S88	0	photocataly\$3 with (lanthanum) with nitrate	US-PGPUB; USPAT	OR	ON	2008/06/11 15:33
S89	1	photocataly\$3 same (lanthanum) with nitrate	US-PGPUB; USPAT	OR	ON	2008/06/11 15:33
S90	18	(titania (titanium adj (oxide dioxide))) with photocataly\$3 and (lanthanum) with nitrate	US-PGPUB; USPAT	OR	ON	2008/06/11 15:40

6/19/2008 1:28:28 PM

C:\ Documents and Settings\rvetere\ My Documents\ EAST\ Workspaces\ Cases\ 10-520-846.wsp